

GenCore version 4.5
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OM nucleic - nucleic search, using sw model

Run on: May 9, 2002, 03:11:18 ; Search time 62:02 Seconds
(without alignments)
126.969 Million cell updates/sec

Title: US-09-301-507-74

Perfect score: 336
Sequence: 1 CGCGCAGCTTTCTTCTATGC.....CCCGTTGGTTCACACCA 336

Scoring table:

OLIGO_NUC
Gapop 60.0 , Gapext 60.0

Searched: 351203 seqs, 113238999 residues

Word size : 0

Total number of hits satisfying chosen parameters: 702406

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Listing first 45 summaries

Database : Issued_Patents_NA:*

1: /cgn2_6/ptodata/1/lna/5A.COMB.seq:*
2: /cgn2_6/ptodata/1/lna/5B.COMB.seq:*
3: /cgn2_6/ptodata/1/lna/6A.COMB.seq:*
4: /cgn2_6/ptodata/1/lna/6B.COMB.seq:*
5: /cgn2_6/ptodata/1/lna/PTOS.COMB.seq:*
6: /cgn2_6/ptodata/1/lna/Backfile1.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	20	6.0	1976	3	US-09-165-042-2
2	16	4.8	1235	1	US-08-095-726-13
3	16	4.8	1235	1	US-08-095-726-15
4	16	4.8	1235	1	US-08-096-623A-13
5	16	4.8	1235	1	US-08-096-623A-15
6	16	4.8	5737	1	US-08-259-264-1
7	16	4.8	10095	4	US-08-822-586-45
8	15	4.5	488	3	US-09-385-982-471
9	15	4.5	1120	1	US-08-203-806B-3
10	15	4.5	1128	3	US-09-106-217-15
11	15	4.5	1134	3	US-09-106-217-1
12	15	4.5	1350	3	US-08-462-351-1
13	15	4.5	1350	6	5194425-2
14	15	4.5	1356	6	5194425-2
15	15	4.5	1488	2	US-08-812-203-4
16	15	4.5	1488	4	US-09-300-864-4
17	15	4.5	1728	3	US-08-379-802-1
18	15	4.5	1728	3	US-09-048-129-1
19	15	4.5	1728	4	US-09-048-129-1
20	15	4.5	1839	4	US-08-442-248-3
21	15	4.5	1839	4	US-08-440-815-3
22	15	4.5	1839	4	US-08-486-449-3
23	15	4.5	1881	3	US-09-235-246-2
24	15	4.5	2022	1	US-08-803-973-6
25	15	4.5	2022	1	US-08-803-973-6
26	15	4.5	2065	3	US-08-335-865J-8
27	15	4.5	2124	1	US-08-803-973-11

c	28	15	4.5	2124	1	US-08-803-972-11	Sequence 11, Appl
	29	15	4.5	3336	3	US-09-330-970-4	Sequence 4, Appl
	30	15	4.5	3697	1	US-08-571-758-1	Sequence 1, Appl
	31	15	4.5	3697	1	US-08-909-984A-1	Sequence 1, Appl
	32	15	4.5	3697	1	US-08-909-983-1	Sequence 1, Appl
	33	15	4.5	4371	1	US-08-803-973-1	Sequence 1, Appl
	34	15	4.5	4371	1	US-08-803-972-1	Sequence 1, Appl
	35	15	4.5	43795	3	US-08-742-185-101	Sequence 101, App
	36	15	4.5	4403165	4	US-09-103-840A-2	Sequence 2, Appl
	37	15	4.5	4411529	4	US-09-103-840A-1	Sequence 1, Appl
	38	14	4.2	4.2	4	US-08-484-686B-60	Sequence 60, Appl
	39	14	4.2	37	4	US-08-463-160B-60	Sequence 60, Appl
	40	14	4.2	37	5	PCT-US91-02568-18	Sequence 18, Appl
	41	14	4.2	297	4	US-09-060-756-574	Sequence 574, App
	42	14	4.2	309	1	US-08-086-410-24	Sequence 24, Appl
	43	14	4.2	330	5	PCT-US95-08596-1	Sequence 1, Appl
	44	14	4.2	356	4	US-09-060-756-396	Sequence 396, App
	45	14	4.2	359	3	US-08-589-028-3	Sequence 3, Appl

ALIGNMENTS

```
RESULT 1
US-09-165-042-2
; Sequence 2, Application US/09165042
; Patent No. 6100077
; GENERAL INFORMATION:
; APPLICANT: Sturley, Stephen L.
; APPLICANT: Oelkers, Peter
; TITLE OF INVENTION: ISOLATION OF A GENE ENCODING DIACYLGLYCEROL
; FILE REFERENCE: 0575/56331
; CURRENT APPLICATION NUMBER: US/09/165,042
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 1976
; TYPE: DNA
; ORGANISM: Yeast
US-09-165-042-2

Query Match      6.0%; Score 20; DB 3; Length 1976;
Best Local Similarity 100.0%; Pred. No. 0.022;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 22 CTCCTGCTGGCGCTGATG 41
DB 823 CTCCTGCTGGCGCTGATG 842

RESULT 2
US-08-095-726-13
; Sequence 13, Application US/08095726
; Patent No. 5530188
; GENERAL INFORMATION:
; APPLICANT: Auslich, Rodney L
; APPLICANT: Brinkhaus, Friedhelm L
; APPLICANT: Mukharji, Indrani
; APPLICANT: Profitit, John H
; APPLICANT: Yarger, James B
; APPLICANT: Yen, Huel-Che B
; TITLE OF INVENTION: Beta-Carotene Biosynthesis in
; TITLE OF INVENTION: Genetically Engineered Hosts
; NUMBER OF SEQUENCES: 79
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: Amoco Corp., Patents and Licensing Dept
; STREET: 200 E Randolph St
; CITY: Chicago
; STATE: IL
; COUNTRY: USA
```

ZIP: 60680-0703
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.24
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/095,726
FILING DATE: 21-JUL-1993
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/785,566
FILING DATE: 30-OCT-1991
ATTORNEY/AGENT INFORMATION:
NAME: Galloway, No. 5530188val B
TELECOMMUNICATION INFORMATION:
TELEPHONE: 3128567180
TELEFAX: 3128564972
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 1235 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-095-726-13

Query Match 4.8%; Score 16; DB 1; Length 1235;
Best Local Similarity 100.0%; Pred. No. 5;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 125 TCTATCAGCTCACC CG 140
Db 897 TCTATCAGCTCACC CG 912

RESULT 3
US-08-095-726-15
Sequence 15, Application US/08095726
Patent No. 5530188
GENERAL INFORMATION:
APPLICANT: Ausich, Rodney L.
APPLICANT: Brinkhaus, Friedhelm L.
APPLICANT: Mukharji, Indrani
APPLICANT: Proffitt, John H.
APPLICANT: Yarger, James G.
APPLICANT: Yen, Huel-Che B.
TITLE OF INVENTION: Beta-Carotene Biosynthesis in
Genetically Engineered Hosts
NUMBER OF SEQUENCES: 79
CORRESPONDENCE ADDRESS:
ADDRESSEE: Amoco Corp., Patents and Licensing Dept
STREET: 200 E Randolph St
CITY: Chicago
STATE: IL
COUNTRY: USA
ZIP: 60680-0703
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.24
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/095,726
FILING DATE: 21-JUL-1993
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/785,566
FILING DATE: 30-OCT-1991
ATTORNEY/AGENT INFORMATION:
NAME: Galloway, No. 5530188val B
TELECOMMUNICATION INFORMATION:

TELEPHONE: 3128567180
TELEFAX: 3128564972
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 1235 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-095-726-15

Query Match 4.8%; Score 16; DB 1; Length 1235;
Best Local Similarity 100.0%; Pred. No. 5;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 125 TCTATCAGCTCACC CG 140
Db 897 TCTATCAGCTCACC CG 912

RESULT 4
US-08-096-623A-13
Sequence 13, Application US/08096623A
Patent No. 5684238
GENERAL INFORMATION:
APPLICANT: Ausich, Rodney L.
APPLICANT: Brinkhaus, Friedhelm L.
APPLICANT: Mukharji, Indrani
APPLICANT: Proffitt, John H.
APPLICANT: Yarger, James G.
APPLICANT: Yen, Huel-Che B.
TITLE OF INVENTION: Biosynthesis of Zeaxanthin and
Glycosylated Zeaxanthin in Genetically Engineered Hosts
NUMBER OF SEQUENCES: 104
CORRESPONDENCE ADDRESS:
ADDRESSEE: Welsh & Katz, Ltd.
STREET: 120 S. Riverside Plaza, 22nd Floor
CITY: Chicago
STATE: IL
COUNTRY: USA
ZIP: 60606
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/096,623A
FILING DATE: 22-JUL-1993
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/805,061
FILING DATE: 09-DEC-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/662,921
FILING DATE: 28-FEB-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/562,674
FILING DATE: 03-AUG-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/525,551
FILING DATE: 18-MAY-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/487,613
FILING DATE: 02-MAR-1990
ATTORNEY/AGENT INFORMATION:
NAME: Gamson, Edward P.
REGISTRATION NUMBER: 29,381
REFERENCE/DOCKET NUMBER: AMO-006.1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (312) 655-1500
TELEFAX: (312) 655-1501

INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 1235 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
POSITION IN GENOME:
MAP POSITION: -19 to 1216
UNITS: bp
US-08-096-623A-13

Query Match 4.8%; Score 16; DB 1; Length 1235;
Best Local Similarity 100.0%; Pred. No. 5;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 125 TCTATCAGCTCACC CG 140
|||||
DB 897 TCTATCAGCTCACC CG 912

RESULT 5

US-08-096-623A-15
Sequence 15, Application US/08096623A
Patent No. 5684238
GENERAL INFORMATION:
APPLICANT: Ausich, Rodney L.
APPLICANT: Brinkhaus, Friedhelm L.
APPLICANT: Mukharji, Indrani
APPLICANT: Proffitt, John H.
APPLICANT: Yarger, James G.
APPLICANT: Yen, Huel-Che B.
TITLE OF INVENTION: Biosynthesis of Zeaxanthin and
TITLE OF INVENTION: Glycosylated Zeaxanthin in Genetically Engineered Hosts
NUMBER OF SEQUENCES: 104
CORRESPONDENCE ADDRESS:
ADDRESSEE: Welsh & Keltz, Ltd.
STREET: 120 S. Riverside Plaza, 22nd Floor
CITY: Chicago
STATE: IL
COUNTRY: USA
ZIP: 60606
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/096,623A
FILING DATE: 22-JUL-1993
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/805,061
FILING DATE: 09-DEC-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/662,921
FILING DATE: 28-FEB-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/562,674
FILING DATE: 03-AUG-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/525,551
FILING DATE: 18-MAY-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/487,613
FILING DATE: 02-MAR-1990
ATTORNEY/AGENT INFORMATION:
NAME: Gamson, Edward P.
REGISTRATION NUMBER: 29,381
REFERENCE/DOCKET NUMBER: AMO-006.1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (312) 655-1500

TELEFAX: (312) 655-1501
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 1235 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
POSITION IN GENOME:
MAP POSITION: -19 to 1216
UNITS: bp
US-08-096-623A-15

Query Match 4.8%; Score 16; DB 1; Length 1235;
Best Local Similarity 100.0%; Pred. No. 5;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 125 TCTATCAGCTCACC CG 140
|||||
DB 897 TCTATCAGCTCACC CG 912

RESULT 6

US-08-259-264-1/C
Sequence 1, Application US/08259264
Patent No. 5650293
GENERAL INFORMATION:
APPLICANT: White, Morris F.
TITLE OF INVENTION: PP60PIK: A DOWNSTREAM ELEMENT IN INSULIN SIGNALING
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHVE & COCKFIELD
STREET: 60 STATE STREET, SUITE 510
CITY: BOSTON
STATE: MASSACHUSETTS
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII text
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/259,264
FILING DATE: 10-JUN-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Myers, Louis
REGISTRATION NUMBER: 35,965
REFERENCE/DOCKET NUMBER: JDP-021
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7400
TELEFAX: (617) 227-5941
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 5737 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: CDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 1388..2749
US-08-259-264-1

Query Match 4.8%; Score 16; DB 1; Length 5737;
Best Local Similarity 100.0%; Pred. No. 5.6;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 17 ATGCTTCCTGCTGG 32
|||||

DB 374 ATGCTCTCCCTGCTGG 359

RESULT 7

US-08-822-586-45
; Sequence 45, Application US/08822586
; Patent No. 6015890

GENERAL INFORMATION:

APPLICANT: WILLIAM R. JACOBS, JR., JAMES M. MUSSER AND
APPLICANT: AMALIO TELENTE
TITLE OF INVENTION: AN EMBCAB OPEPON OF MYCOBACTERIA AND
TITLE OF INVENTION: MUTANTS THEREOF
NUMBER OF SEQUENCES: 57
CORRESPONDENCE ADDRESS:
ADDRESSEE: AMSTER, ROTHSTEIN & EBENSTEIN
STREET: 90 PARK AVENUE
CITY: NEW YORK
STATE: NEW YORK
COUNTRY: U.S.A.
ZIP: 10016

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 INCH 1.44 MB STORAGE
MEDIUM TYPE: DISKETTE
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: MS-DOS
SOFTWARE: ASCII

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/822,586
FILING DATE: MARCH 20, 1997
ATTORNEY/AGENT INFORMATION:
NAME: ELIZABETH A. BOGOSIAN
REGISTRATION NUMBER: 39,911
REFERENCE/DOCKET NUMBER: 96700/437
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 697-5595
TELEFAX: (212) 286-0854 or 286-0082
TELEX: TWX 710-581-4766
INFORMATION FOR SEQ ID NO: 45:

SEQUENCE CHARACTERISTICS:

LENGTH: 10095
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: Genomic DNA
HYPOTHETICAL: NO
US-08-822-586-45

Query Match

Best Local Similarity 4.8%; Score 16; DB 3; Length 10095;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 25 CCTGCTGGCGCTGATG 40

Db 7803 CCTGCTGGCGCTGATG 7818

RESULT 8

US-09-385-982-471
; Sequence 471, Application US/09385982
; Patent No. 6262334

GENERAL INFORMATION:

APPLICANT: ENDEGE, WILSON O., ET AL.
TITLE OF INVENTION: NOVEL HUMAN GENES AND GENE EXPRESSION
FILE REFERENCE: CCNDA-260XX
CURRENT APPLICATION NUMBER: US/09/385,982

CURRENT FILING DATE: 1999-08-30
EARLIER APPLICATION NUMBER: 09/328,111
EARLIER FILING DATE: 1999-06-08
EARLIER APPLICATION NUMBER: 60/117,393
EARLIER FILING DATE: 1999-01-27
EARLIER APPLICATION NUMBER: 60/098,639

EARLIER FILING DATE: 1998-08-31

NUMBER OF SEQ ID NOS: 544
SOFTWARE: FASTSEQ for Windows Version 3.0
SEQ ID NO 471

LENGTH: 488
TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:
NAME/KEY: misc-feature

LOCATION: (1)...(488)
OTHER INFORMATION: n = A,T,C or G

US-09-385-982-471

Query Match

Best Local Similarity 4.5%; Score 15; DB 4; Length 488;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 101 GCATGAGGACCACT 115

Db 346 gcatgagcacact 360

RESULT 9

US-08-203-806B-3/C
; Sequence 3, Application US/08203806B
; Patent No. 5714575

GENERAL INFORMATION:

APPLICANT: Inouye, Masayori
APPLICANT: Jones, Pamela
APPLICANT: Etchegaray, Jean-Pierre
APPLICANT: Weinig, Jian
APPLICANT: Pollitt, N. Stephen

TITLE OF INVENTION: Nucleic Acid Sequences, Stress-induced
TITLE OF INVENTION: Proteins and Uses Thereof
NUMBER OF SEQUENCES: 18

CORRESPONDENCE ADDRESS:
ADDRESSEE: Weiser & Associates
STREET: 230 South Fifteenth Street, Suite 500
CITY: Philadelphia

STATE: PA
COUNTRY: U.S.A.
ZIP: 19102

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/203,806B
FILING DATE: 01-MAR-1994
CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: Weiser, Gerard J.
REGISTRATION NUMBER: 19,763
REFERENCE/DOCKET NUMBER: 377,5998P
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-875-8383
TELEFAX: 215-875-8394

INFORMATION FOR SEQ ID NO: 3:

SEQUENCE CHARACTERISTICS:
LENGTH: 1120 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)

FEATURE:

NAME/KEY: CDS
LOCATION: 686..895
US-08-203-806B-3

Query Match 4.5%: Score 15; DB 1; Length 1120;
Best Local Similarity 100.0%; Pred. No. 19;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 99 CTCGATGAGGCACCA 113
|||||
Db 622 CTCGATGAGGCACCA 608

RESULT 10

US-09-106-217-15
; Sequence 15, Application US/09106217
; Patent No. 6063576
; GENERAL INFORMATION:
; APPLICANT: Keating, Mark T.
; APPLICANT: Olson, Timothy M.
; TITLE OF INVENTION: Actin Mutations in Dilated
; TITLE OF INVENTION: Cardiomyopathy, a Heritable Form of Heart Failure
; NUMBER OF SEQUENCES: 18
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Rothwell, Figg, Ernst & Kurz, P.C.
; STREET: 555 Thirteenth Street, N.W., Suite 701 East
; CITY: Tower
; STATE: DC
; COUNTRY: U.S.A.
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/106,217
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Saxe, Stephen A.
; REGISTRATION NUMBER: 38,609
; REFERENCE/DOCKET NUMBER: 2323-125
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-783-6040
; TELEFAX: 202-783-6031
; INFORMATION FOR SEQ ID NO: 15:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1128 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..1125
; US-09-106-217-15

Query Match 4.5%: Score 15; DB 3; Length 1128;
Best Local Similarity 100.0%; Pred. No. 19;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 105 GAGCACCACCTATGT 119
|||||
Db 902 GAGCACCACCTATGT 916

RESULT 11

US-09-106-217-1
; Sequence 1, Application US/09106217

; Patent No. 6063576
; GENERAL INFORMATION:
; APPLICANT: Keating, Mark T.
; APPLICANT: Olson, Timothy M.
; TITLE OF INVENTION: Actin Mutations in Dilated
; TITLE OF INVENTION: Cardiomyopathy, a Heritable Form of Heart Failure
; NUMBER OF SEQUENCES: 18
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Rothwell, Figg, Ernst & Kurz, P.C.
; STREET: 555 Thirteenth Street, N.W., Suite 701 East
; CITY: Tower
; STATE: DC
; COUNTRY: U.S.A.

ZIP: 20004

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/106,217

FILING DATE:

CLASSIFICATION:

ATTORNEY/AGENT INFORMATION:

NAME: Saxe, Stephen A.

REGISTRATION NUMBER: 38,609

REFERENCE/DOCKET NUMBER: 2323-125

TELECOMMUNICATION INFORMATION:

TELEPHONE: 202-783-6040

TELEFAX: 202-783-6031

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:

LENGTH: 1134 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

MOLECULE TYPE: cDNA

HYPOTHETICAL: NO

ANTI-SENSE: NO

ORIGINAL SOURCE:

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: CDS

LOCATION: 1..1131

US-09-106-217-1

Query Match 4.5%: Score 15; DB 3; Length 1134;
Best Local Similarity 100.0%; Pred. No. 19;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 105 GAGCACCACCTATGT 119
|||||
Db 908 GAGCACCACCTATGT 922

RESULT 12

US-08-462-351-1/c
; Sequence 1, Application US/08462351
; Patent No. 6106840
; GENERAL INFORMATION:
; APPLICANT: Sharma, Somesh D.
; APPLICANT: Clark, Brian R.
; APPLICANT: Lerch, Bernard L.
; TITLE OF INVENTION: MHC Conjugates Useful in Ameliorating
; TITLE OF INVENTION: Autoimmunity
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California

COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentln Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/462,351
FILING DATE: 05-JUN-1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/210,594
FILING DATE: 23-JUN-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/576,084
FILING DATE: 30-AUG-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/690,840
FILING DATE: 23-APR-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/869,293
FILING DATE: 14-APR-1992
ATTORNEY/AGENT INFORMATION:
NAME: Parent, Annette S.
REGISTRATION NUMBER: 42,058
REFERENCE/DOCKET NUMBER: 014058-000242US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1350 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: mRNA
FEATURE:
NAME/KEY: CDS
LOCATION: 1..1350
OTHER INFORMATION:
OTHER INFORMATION: alpha subunit"
US-08-462-351-1

Query Match
Best Local Similarity 4.5%; Score 15; DB 3; Length 1350;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 49 AGACAGCAAAACGGA 63
|||||
DB 792 AGACAGCAAAACGGA 778

RESULT 13
5468481-2/c
PATENT NO. 5468481
APPLICANT: SHARMA, SOMESH D.; CLARK, BRIAN R.; LERCH, BERNARD L.
TITLE OF INVENTION: MHC CLASS II-PEPTIDE CONJUGATES USEFUL
IN AMELIORATING AUTOIMMUNITY
NUMBER OF SEQUENCES: 7
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/869,293
FILING DATE: 14-APR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 690,840
FILING DATE: 23-APR-1991
APPLICATION NUMBER: 576,084
FILING DATE: 30-AUG-1990
APPLICATION NUMBER: 210,594
FILING DATE: 23-JUN-1988
APPLICATION NUMBER: 635,840
FILING DATE: 28-DEC-1998

APPLICATION NUMBER: 367,751
FILING DATE: 21-JUN-1989
SEQ ID NO: 2
LENGTH: 1350
5468481-2

Query Match
Best Local Similarity 4.5%; Score 15; DB 6; Length 1350;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 49 AGACAGCAAAACGGA 63
|||||
DB 792 AGACAGCAAAACGGA 778

RESULT 14
5194425-2/c
PATENT NO. 5194425
APPLICANT: SHARMA, SOMESH D.; LERCH, L. BERNARD; CLARK, BRIAN R.
TITLE OF INVENTION: MHC-MEDIATED TOXIC CONJUGATES USEFUL IN
AMELIORATING AUTOIMMUNITY
NUMBER OF SEQUENCES: 9
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/367,751
FILING DATE: 21-JUN-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 210,594
FILING DATE: 23-JUN-1988
SEQ ID NO: 2
LENGTH: 1356
5194425-2

Query Match
Best Local Similarity 4.5%; Score 15; DB 6; Length 1356;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 49 AGACAGCAAAACGGA 63
|||||
DB 797 AGACAGCAAAACGGA 783

RESULT 15
US-08-812-203-4
SEQUENCE 4, APPLICATION US/08812203
PATENT NO. 5958723
GENERAL INFORMATION:
APPLICANT: ABRAMOVITZ, MARK
APPLICANT: BOLE, YVES
APPLICANT: SAWYER, NICOLE
APPLICANT: METTERS, KATHLEEN
APPLICANT: SLIPERTZ, DEBORAH
TITLE OF INVENTION: DNA ENCODING PROSTAGLANDIN RECEPTOR DP
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: JOHN W. WALLEY, III
STREET: 126 E. LINCOLN AVE., P.O. BOX 2000
CITY: RAHWAY
STATE: NJ
COUNTRY: USA
ZIP: 07065-0900
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentln Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/812,203
FILING DATE: 06-MAR-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/378,682
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: WALEN III, JOHN W.
REGISTRATION NUMBER: 35,403
REFERENCE/DOCKET NUMBER: MRL 94/185
TELECOMMUNICATION INFORMATION:
TELEPHONE: (908)594-3905
TELEX: (908)594-4720
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 1488 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-812-203-4

Query Match 4.5%; Score 15; DB 2; Length 1488;
Best Local Similarity 100.0%; Pred. No. 20;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 26 CTGCTGGCGCTGATG 40
|||||
Db 1145 CTGCTGGCGCTGATG 1159

Search completed: May 9, 2002, 04:38:09
Job time: 5211 sec

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GenCore version 4.5
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OM nucleic - nucleic search, using sw model

Run on: May 8, 2002, 23:54:21 ; Search time 61.93 Seconds
(without alignments)
1228.752 Million cell updates/sec

Title: US-09-301-507-74

Perfect score: 336

Sequence: 1 CGTCGACATTTTCTATGC.....CCCCGTGTTCCCAACCA 336

Scoring table:

IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 351203 seqs, 113238999 residues

Total number of hits satisfying chosen parameters: 702406

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_NA :
1 : /cgn2_6/prodata/1/lna/5A_COMB.seq : *
2 : /cgn2_6/prodata/1/lna/5B_COMB.seq : *
3 : /cgn2_6/prodata/1/lna/6A_COMB.seq : *
4 : /cgn2_6/prodata/1/lna/6B_COMB.seq : *
5 : /cgn2_6/prodata/1/lna/PCTUS_COMB.seq : *
6 : /cgn2_6/prodata/1/lna/backfillseq1.seq : *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
1	29.6	8.8	1162	4	US-08-838-151A-1	Sequence 1, Appl1
2	29.6	8.8	1166	4	US-08-838-151A-13	Sequence 13, Appl1
3	29.6	8.8	1169	4	US-08-838-151A-3	Sequence 3, Appl1
4	29.6	8.8	1169	4	US-08-838-151A-5	Sequence 5, Appl1
5	29.6	8.8	1169	4	US-08-838-151A-7	Sequence 7, Appl1
6	29.6	8.8	1246	4	US-08-838-151A-15	Sequence 15, Appl1
7	29.6	8.8	2602	4	US-08-838-151A-17	Sequence 17, Appl1
8	28.4	8.5	7286	5	PCT-US95-11684-1	Sequence 1, Appl1
9	28.2	8.4	3416	2	US-08-357-642A-2	Sequence 2, Appl1
10	28.2	8.4	3416	2	US-08-460-626-2	Sequence 2, Appl1
11	27.8	8.3	49136	4	US-09-422-869-1	Sequence 1, Appl1
12	27.2	8.1	940	2	US-08-713-000-3	Sequence 3, Appl1
13	27.2	8.1	940	2	US-08-975-316-3	Sequence 3, Appl1
14	27.2	8.1	940	2	US-09-211-710-3	Sequence 3, Appl1
15	27.2	8.1	1512	3	US-08-911-853-6	Sequence 6, Appl1
16	27.2	8.1	1512	3	US-09-479-409-6	Sequence 6, Appl1
17	27.2	8.1	1785	2	US-08-975-316-48	Sequence 48, Appl1
18	27.2	8.1	17612	3	US-08-911-853-29	Sequence 29, Appl1
19	27.2	8.1	17612	3	US-09-479-409-29	Sequence 29, Appl1
20	27.2	8.0	17949	4	US-09-087-465-3	Sequence 3, Appl1
21	26.4	7.9	1329	1	US-08-278-630A-8	Sequence 8, Appl1
22	26.4	7.9	2890	3	US-08-848-810-1	Sequence 1, Appl1
23	26.4	7.9	3150	4	US-08-943-768-1	Sequence 1, Appl1
24	26.4	7.9	72928	3	US-09-009-913-1	Sequence 1, Appl1
25	26.2	7.8	1209	1	US-08-314-309A-5	Sequence 5, Appl1
26	26.2	7.8	1513	1	US-08-314-309A-2	Sequence 2, Appl1
27	26.2	7.8	1546	1	US-08-314-309A-3	Sequence 3, Appl1

ALIGNMENTS

28	26.2	7.8	1952	1	US-08-333-358-1	Sequence 1, Appl1
29	26.2	7.8	1952	1	US-08-463-694-1	Sequence 1, Appl1
30	26.2	7.8	1952	1	US-08-694-501-1	Sequence 1, Appl1
31	26.2	7.8	3172	1	US-08-314-309A-1	Sequence 1, Appl1
32	26	7.7	2200	2	US-08-819-825-1	Sequence 1, Appl1
33	26	7.7	2200	4	US-09-163-642-1	Sequence 4, Appl1
34	25.8	7.7	1356	2	US-08-484-126-4	Sequence 16, Appl1
35	25.8	7.7	3449	3	US-09-049-672A-16	Sequence 5, Appl1
36	25.8	7.7	20084	4	US-08-943-731-5	Sequence 6, Appl1
37	25.6	7.6	1088	4	US-09-077-675A-6	Sequence 9, Appl1
38	25.6	7.6	1122	4	US-09-077-675A-9	Sequence 8, Appl1
39	25.6	7.6	1430	4	US-09-357-251-17	Sequence 21, Appl1
40	25.6	7.6	1596	4	US-08-416-544B-8	Sequence 48, Appl1
41	25.6	7.6	1875	4	US-09-422-869-21	Sequence 9, Appl1
42	25.6	7.6	2115	4	US-08-796-101-48	Sequence 9, Appl1
43	25.6	7.6	2303	2	US-08-480-229C-9	Sequence 28, Appl1
44	25.6	7.6	2303	2	US-08-659-235C-9	
45	25.6	7.6	2308	2	US-08-480-229C-28	

RESULT 1
US-08-838-151A-1
Sequence 1, Application US/08838151A
Patent No. 6291743
GENERAL INFORMATION:
APPLICANT: Stout, John T
APPLICANT: Luu, Hang T
APPLICANT: Maxwell, Douglas
APPLICANT: Ahlquist, Paul
APPLICANT: Hanson, Steve
TITLE OF INVENTION: Transgenic Plants Expressing GeminiVirus
NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Dressler, Rocky, Milnamow & Katz
STREET: Two Prudential Plaza, Suite 4700
CITY: Chicago
STATE: Illinois
COUNTRY: U.S.A.
ZIP: 60601
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/838,151A
FILING DATE: 800
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: Mueller, Lisa V
REGISTRATION NUMBER: 38,978
REFERENCE/DOCKET NUMBER: SVS3801P0260
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312-616-5460
TELEFAX: 312-616-5460
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1162 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
MOLECULE TYPE: circular
HYPOTHETICAL: NO
AMTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Tomato Mottle Gemini Virus
INDIVIDUAL ISOLATE: Florida
FEATURE:
NAME/KEY: CDS

FEATURE:
NAME/KEY: CDS
LOCATION: 44..1127
PUBLICATION INFORMATION:
AUTHORS: Gilbertson, RL et al.
TITLE: Pseudorecombination between the infectious
TITLE: Cloned DNA components of tomato mottle and bean
TITLE: dwarf mosaic geminivirus.
JOURNAL: Journal of General Virology
VOLUME: 74
PAGES: 23-31
DATE: 1993
US-08-838-151A-3

Query Match 8.8%; Score 29.6; DB 4; Length 1169;
Best Local Similarity 63.1%; Pred. No. 0.44;
Matches 41; Conservative 0; Mismatches 24; Indels 0; Gaps 0;

OY 205 CGNNTGGCCCTGAGNTTCAGAGGNCCTGTGCTCCATCGCCTACAGAGGTTCAAGNA 264
DB 660 CGGGTCAGCTGCGCGCCAGAGACCTGTAGATATCATGTCGAGGTGATTCAAGAA 719

OY 265 AAGGG 269
DB 720 CAGGG 724

RESULT 4
US-08-838-151A-5
Sequence 5, Application US/08838151A
Patent No. 6291743
GENERAL INFORMATION:
APPLICANT: Stout, John T
APPLICANT: Luu, Hang T
APPLICANT: Maxwell, Douglas
APPLICANT: Ahlquist, Paul
APPLICANT: Hanson, Steve
TITLE OF INVENTION: Transgenic Plants Expressing Geminivirus
TITLE OF INVENTION: Genes
NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:
ADDRESSEE: Dressler, Rocky, Milnamow & Katz
STREET: Two Prudential Plaza, Suite 4700
CITY: Chicago
STATE: Illinois
COUNTRY: U.S.A.
ZIP: 60601
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/838,151A
FILING DATE:
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: Mueller, Lisa V
REGISTRATION NUMBER: 38,978
REFERENCE/DOCKET NUMBER: SVS3801P0260
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312-616-5400
TELEFAX: 312-616-5460
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 1169 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO

ORIGINAL SOURCE:
ORGANISM: Tomato Mottle Geminl Virus
STRAIN: Florida
FEATURE:
NAME/KEY: CDS
LOCATION: 44..1127
US-08-838-151A-5

Query Match 8.8%; Score 29.6; DB 4; Length 1169;
Best Local Similarity 63.1%; Pred. No. 0.44;
Matches 41; Conservative 0; Mismatches 24; Indels 0; Gaps 0;

OY 205 CGNNTGGCCCTGAGNTTCAGAGGNCCTGTGCTCCATCGCCTACAGAGGTTCAAGNA 264
DB 660 CGGGTCAGCTGCGCGCCAGAGACCTGTAGATATCATGTCGAGGTGATTCAAGAA 719

OY 265 AAGGG 269
DB 720 CAGGG 724

RESULT 5
US-08-838-151A-7
Sequence 7, Application US/08838151A
Patent No. 6291743
GENERAL INFORMATION:
APPLICANT: Stout, John T
APPLICANT: Luu, Hang T
APPLICANT: Maxwell, Douglas
APPLICANT: Ahlquist, Paul
APPLICANT: Hanson, Steve
TITLE OF INVENTION: Transgenic Plants Expressing Geminivirus
TITLE OF INVENTION: Genes
NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:
ADDRESSEE: Dressler, Rocky, Milnamow & Katz
STREET: Two Prudential Plaza, Suite 4700
CITY: Chicago
STATE: Illinois
COUNTRY: U.S.A.
ZIP: 60601
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/838,151A
FILING DATE:
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: Mueller, Lisa V
REGISTRATION NUMBER: 38,978
REFERENCE/DOCKET NUMBER: SVS3801P0260
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312-616-5400
TELEFAX: 312-616-5460
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 1169 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Tomato Mottle Geminl Virus
STRAIN: Florida
FEATURE:
NAME/KEY: CDS
LOCATION: 44..1127

US-08-838-151A-7

Query Match 8.8%; Score 29.6; DB 4; Length 1169;
Best Local Similarity 63.1%; Pred. No. 0.44;
Matches 41; Conservative 0; Mismatches 24; Indels 0; Gaps 0;

QY 205 CGNNTGCCGAGTNTCCAGAGGNCCTGCTGCCATGCCCTAGCAGGGTTCAAGNA 264
DB 660 CGGTTGACGCTGCCGCCAGAGACCTGTAGTATCATCTGCGAGGGTATTCAAGAA 719
QY 265 AAGGG 269
DB 720 CAGGG 724

RESULT 6
US-08-838-151A-15

Sequence 15, Application US/08838151A
Patent No. 6291743

GENERAL INFORMATION:

APPLICANT: Stout, John T
APPLICANT: Luu, Hang T
APPLICANT: Maxwell, Douglas
APPLICANT: Ahlquist, Paul
APPLICANT: Hanson, Steve
TITLE OF INVENTION: Transgenic Plants Expressing Geminivirus
TITLE OF INVENTION: Genes
NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:
ADDRESSEE: Dressler, Rocky, Milanow & Katz
STREET: Two Prudential Plaza, Suite 4700
CITY: Chicago
STATE: Illinois
COUNTRY: U.S.A.
ZIP: 60601

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/838,151A

FILING DATE:

CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:

NAME: Mueller, Lisa V

REGISTRATION NUMBER: 38,978

REFERENCE/DOCKET NUMBER: SVS3801P0260

TELECOMMUNICATION INFORMATION:

TELEPHONE: 312-616-5400

TELEFAX: 312-616-5460

INFORMATION FOR SEQ ID NO: 15:

SEQUENCE CHARACTERISTICS:

LENGTH: 1246 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: circular

MOLECULE TYPE: DNA (genomic)

HYPOTHETICAL: NO

ANTI-SENSE: NO

ORIGINAL SOURCE:

ORGANISM: Tomato Mottle Geminivirus

STRAIN: Florida

PUBLICATION INFORMATION:

AUTHORS: Gilbertson, RL

AUTHORS: Hidayat, SH

AUTHORS: Papiomatias, EJ

AUTHORS: Rojas, MR

AUTHORS: Hou, YM

AUTHORS: Maxwell, DP

TITLE: Pseudorecombination between the infectious

cloned DNA components of tomato mottle and bean

TITLE: dwarf mosaic geminiviruses.
JOURNAL: Journal of General Virology
VOLUME: 74
PAGES: 23-31
DATE: 1993
US-08-838-151A-15

Query Match 8.8%; Score 29.6; DB 4; Length 1246;
Best Local Similarity 63.1%; Pred. No. 0.46;
Matches 41; Conservative 0; Mismatches 24; Indels 0; Gaps 0;

QY 205 CGNNTGCCGAGTNTCCAGAGGNCCTGCTGCCATGCCCTAGCAGGGTTCAAGNA 264
DB 257 CGGTTGACGCTGCCGCCAGAGACCTGTAGTATCATCTGCGAGGGTATTCAAGAA 316
QY 265 AAGGG 269
DB 317 CAGGG 321

RESULT 7

US-08-838-151A-17/c
Sequence 17, Application US/08838151A
Patent No. 6291743

GENERAL INFORMATION:

APPLICANT: Stout, John T
APPLICANT: Luu, Hang T
APPLICANT: Maxwell, Douglas
APPLICANT: Ahlquist, Paul
APPLICANT: Hanson, Steve
TITLE OF INVENTION: Transgenic Plants Expressing Geminivirus
TITLE OF INVENTION: Genes
NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:
ADDRESSEE: Dressler, Rocky, Milanow & Katz
STREET: Two Prudential Plaza, Suite 4700
CITY: Chicago
STATE: Illinois
COUNTRY: U.S.A.
ZIP: 60601

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/838,151A

FILING DATE:

CLASSIFICATION: 800

ATTORNEY/AGENT INFORMATION:

NAME: Mueller, Lisa V

REGISTRATION NUMBER: 38,978

REFERENCE/DOCKET NUMBER: SVS3801P0260

TELECOMMUNICATION INFORMATION:

TELEPHONE: 312-616-5400

TELEFAX: 312-616-5460

INFORMATION FOR SEQ ID NO: 17:

SEQUENCE CHARACTERISTICS:

LENGTH: 2602 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: circular

MOLECULE TYPE: DNA (genomic)

HYPOTHETICAL: NO

ORIGINAL SOURCE:

ORGANISM: Tomato Mottle Geminivirus

STRAIN: Florida

US-08-838-151A-17

Query Match 8.8%; Score 29.6; DB 4; Length 2602;
Best Local Similarity 63.1%; Pred. No. 0.63;

APPLICANT: JOSEPH SCHLESSINGER
TITLE OF INVENTION: PYK-2 RELATED PRODUCTS AND
METHODS
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
COMPUTER: IBM compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/460,626
FILING DATE: June 2, 1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/357,642
FILING DATE: December 15, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 211/121
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 3416
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-460-626-2

Query Match 8.4%; Score 28.2; DB 2; Length 3416;
Best Local Similarity 52.9%; Pred. No. 2.7;
Matches 54; Conservative 0; Mismatches 48; Indels 0; Gaps 0;

OY 114 CTATGTTGATTCATACGCTACCCGCTGTGTACAGTGTAGNCTCAAGAGAAATAGT 173
DB 1152 CTATGAGGTGACGCGATGTTCTCAGCCCTCTGCTAGGATGAGGTTTGTATGACAAAGGCCT 1093

OY 174 GGGAGTCTTGTGAGACCTATCTGAATCCCGNNTGGCCCT 215
DB 1092 GGGGGGACCTTCAATGCCAGCTGAAGTACTGCTGGCCCT 1051

RESULT 11
US-09-422-869-1
Sequence 1, Application US/09422869
Patent No. 6235481
GENERAL INFORMATION:
APPLICANT: POLONSKY, KENNETH S.
APPLICANT: HORIKAWA, YUKIO
APPLICANT: ODA, NAOHISA
APPLICANT: COX, NANCY J.
APPLICANT: SREENAN, SEAWOS
APPLICANT: ZHOU, YUN-PING
APPLICANT: OTANI, KENICHI
APPLICANT: HANIS, CRAIG L.
APPLICANT: BELL, GRAEME I.
TITLE OF INVENTION: METHODS OF TREATMENT OF TYPE 2 DIABETES
FILE REFERENCE: ARCD:307
CURRENT APPLICATION NUMBER: US/09/422,869
CURRENT FILING DATE: 1999-10-21

EARLIER APPLICATION NUMBER: 60/134,175
EARLIER FILING DATE: 1999-05-13
NUMBER OF SEQ ID NOS: 30
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 1
LENGTH: 49136
TYPE: DNA
ORGANISM: Human
US-09-422-869-1

Query Match 8.3%; Score 27.8; DB 4; Length 49136;
Best Local Similarity 53.8%; Pred. No. 17;
Matches 50; Conservative 0; Mismatches 43; Indels 0; Gaps 0;

OY 189 GACCTATCTAATCCCGNNTGGCCCTCGAGNTTCAGAGGNCCTGCTGCCATCGCC 248
DB 35030 ggcacctcagagctccctccagacccctcgagaccctgtccctgtcgtcgtcggtg 35089

OY 249 TAGCAGGTTCAAGNAAAGGGCCCGCNCATGG 281
DB 35090 gtgccagctccctgcgaagggccctgacttg 35122

RESULT 12
US-08-713-000-3/c
Sequence 3, Application US/08713000
Patent No. 5850020
GENERAL INFORMATION:
APPLICANT: Bloksberg, Leonard N.
APPLICANT: Hayukala, Ilka
APPLICANT: Grierson, Alastair
TITLE OF INVENTION: MATERIALS AND METHODS FOR THE
MODIFICATION OF PLANT LIGNIN CONTENT
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: Speckman Plicard PLLC
STREET: 2601 Elliott Avenue, Suite 4185
CITY: Seattle
STATE: WA
COUNTRY: USA
ZIP: 98121
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/713,000
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Sleath, Janet
REGISTRATION NUMBER: 37,007
REFERENCE/DOCKET NUMBER: 11000,1003
TELECOMMUNICATION INFORMATION:
TELEPHONE: 206-269-0563
TELEFAX: 206-269-0565
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 940 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-713-000-3

Query Match 8.1%; Score 27.2; DB 2; Length 940;
Best Local Similarity 50.5%; Pred. No. 3;
Matches 53; Conservative 0; Mismatches 52; Indels 0; Gaps 0;

OY 232 CTGTCCTCCATCGCTAGCAGGTTCAAGNAAAGGGCCCGCNCATGGAGTCCTTGG 291
DB 35090 gtgccagctccctgcgaagggccctgacttg 35122

Db 196 CTGGTCCGTTATCTGCACGCGCTGTCACAGACGCTCCAGCTCTGCGCGACCTTGC 137
QY 292 NCAGNAGNANGANTTGGNCCCAACCCGCTTGGTCCCAACCA 336
Db 136 TCTGAATGTCCTGTGGTGTTCACACGCTCGCTATTCCCATTTCA 92

RESULT 13

US-08-975-316-3/C

Sequence 3, Application US/08975316

Patent No. 5932466

GENERAL INFORMATION:

APPLICANT: BLOKSBERG, Leonard N., HAVUKKALA, Ilkka

APPLICANT: and GRIERSON, Alastair W.

TITLE OF INVENTION: MATERIALS AND METHODS FOR

TITLE OF INVENTION: THE MODIFICATION OF PLANT LIGNIN CONTENT

NUMBER OF SEQUENCES: 88

CORRESPONDENCE ADDRESS:

ADDRESSEE: Law Offices of Ann W. Speckman

STREET: 2601 Elliott Avenue, Suite 4185

CITY: Seattle

STATE: WA

COUNTRY: USA

ZIP: 98121

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible

OPERATING SYSTEM: DOS

SOFTWARE: FASTSEQ for Windows Version 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/975,316

FILING DATE:

CLASSIFICATION: 800

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/713,000

FILING DATE: September 11, 1996

ATTORNEY/AGENT INFORMATION:

NAME: SLEATH, Janet

REGISTRATION NUMBER: 37,007

REFERENCE/DOCKET NUMBER: 11000/1003C1

TELECOMMUNICATION INFORMATION:

TELEPHONE: 206-269-0565

TELEFAX: 206-269-0563

TELEX:

INFORMATION FOR SEQ ID NO: 3:

SEQUENCE CHARACTERISTICS:

LENGTH: 940 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

US-08-975-316-3

Query Match 8.1%; Score 27.2; DB 2; Length 940;

Best Local Similarity 50.5%; Pred. No. 3;

Matches 53; Conservative 0; Mismatches 52; Indels 0; Gaps 0;

QY 232 CTGGTCCGTTATCTGCACGCGCTGTCACAGACGCTCCAGCTCTGCGCGACCTTGC 291

Db 196 CTGGTCCGTTATCTGCACGCGCTGTCACAGACGCTCCAGCTCTGCGCGACCTTGC 137

QY 292 NCAGNAGNANGANTTGGNCCCAACCCGCTTGGTCCCAACCA 336

Db 136 TCTGAATGTCCTGTGGTGTTCACACGCTCGCTATTCCCATTTCA 92

RESULT 14

US-09-211-710-3/C

Sequence 3, Application US/09211710A

Patent No. 6204434

GENERAL INFORMATION:

APPLICANT: BLOKSBERG, Leonard N.

APPLICANT: HAVUKKALA, Ilkka

APPLICANT: Grierson, Alastair

TITLE OF INVENTION: Materials and Methods for the

TITLE OF INVENTION: Modification of Plant Lignin Content

FILE REFERENCE: 11000.1003C3

CURRENT APPLICATION NUMBER: US/09/211,710A

CURRENT FILING DATE: 1998-12-14

NUMBER OF SEQ ID NOS: 15

SOFTWARE: FASTSEQ for Windows Version 3.0

SEQ ID NO 3

LENGTH: 940

TYPE: DNA

ORGANISM: Pinus radiata

FEATURE:

NAME/KEY: unsure

LOCATION: (463)...(463)

US-09-211-710-3

Query Match 8.1%; Score 27.2; DB 4; Length 940;

Best Local Similarity 50.5%; Pred. No. 3;

Matches 53; Conservative 0; Mismatches 52; Indels 0; Gaps 0;

QY 232 CTGGTCCGTTATCTGCACGCGCTGTCACAGACGCTCCAGCTCTGCGCGACCTTGC 291

Db 196 CTGGTCCGTTATCTGCACGCGCTGTCACAGACGCTCCAGCTCTGCGCGACCTTGC 137

QY 292 NCAGNAGNANGANTTGGNCCCAACCCGCTTGGTCCCAACCA 336

Db 136 TCTGAATGTCCTGTGGTGTTCACACGCTCGCTATTCCCATTTCA 92

RESULT 15

US-08-911-853-6

Sequence 6, Application US/08911853

Patent No. 6048710

GENERAL INFORMATION:

APPLICANT: Gerltse, Gijshert

APPLICANT: Quax, Wilhelmus J.

TITLE OF INVENTION: EXPRESSION SYSTEM FOR ALTERED

TITLE OF INVENTION: EXPRESSION LEVELS

NUMBER OF SEQUENCES: 37

CORRESPONDENCE ADDRESS:

ADDRESSEE: Genencor International

STREET: 925 Page Mill Road

CITY: Palo Alto

STATE: CA

COUNTRY: USA

ZIP: 94304-1013

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible

OPERATING SYSTEM: DOS

SOFTWARE: FASTSEQ for Windows Version 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/911,853

FILING DATE:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/699,092

FILING DATE: 16-AUG-1996

ATTORNEY/AGENT INFORMATION:

NAME: Gjaister, Debra J

REGISTRATION NUMBER: 33,888

REFERENCE/DOCKET NUMBER: GC361-2

TELECOMMUNICATION INFORMATION:

TELEPHONE: 650-846-7620

TELEFAX: 650-846-7620

INFORMATION FOR SEQ ID NO: 6:

SEQUENCE CHARACTERISTICS:

LENGTH: 1512 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

US-08-911-853-6

Thu May 9 08:36:11 2002

us-09-301-507-74_1.rml

Query Match 8.1%; Score 27.2; DB 3; Length 1512;
Best Local Similarity 60.3%; Pred. No. 3.9; Mismatches 27; Indels 0; Gaps 0;
Matches 41; Conservative 0; Mismatches 27; Indels 0; Gaps 0;
OY 173 TGGAGCTCTGTGAGACCTATCTGAATCCCGNNTGGCCCTGAGNTTCCAGAGGNC 232
DB 896 TGAAGGCAATGCCAGACCCAGSTCAACCCGGGTGAGACATGACCTTGGCCCGGCGCC 955
OY 233 TGGTCGTC 240
DB 956 TGGCGGCC 963

Search completed: May 9, 2002, 03:25:11
Job time: 12650 sec